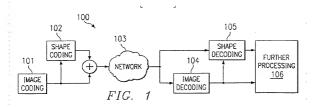
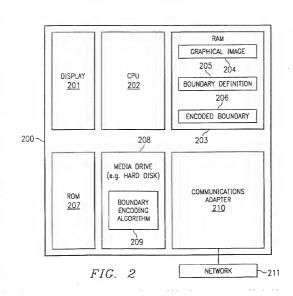
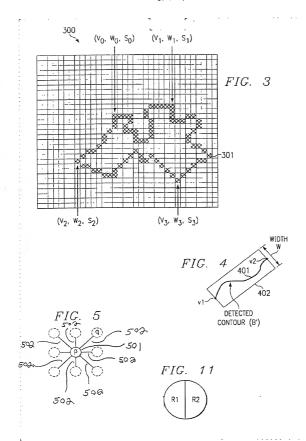
116



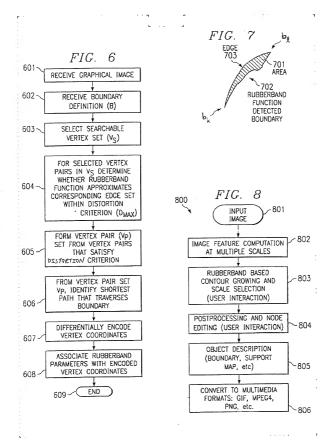


216

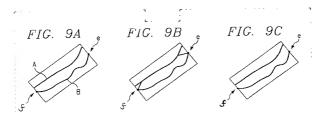


14

3/6



416



47607-P523US-10111466 516 FIG. 10

```
Input: f (start point), e (ending point), Dist(p,q) (local distance
   definition)
Assistant Data Structure:
 L1 (active list 1)
 L2 (active list 2)
 C(p) (cumulative distance from f to p)
Output: ptr (minimal cost path pointers)
Algorithm:
(1001) Initialize assistant data structure (L1, L2 are set empty, and
    C to +\infty).
(1002) Set initial threshold T<sub>0</sub> and increasing step δ<sub>T</sub>.
(1003) T = T_0;
(1004)
         push(L1, f, 0);
         while (T \le T_{\text{max}} \text{ and } C(e) = +\infty)
(1005)
               while( num(L1)>0 ) {
(1006)
(1007)
                  pop( L1, p );
(1008)
                  flag_thresholded=0:
                  for (each q \in N(p)) {
(1009)
                     if( Dist(p, q)>T ) {
(1010)
(1011)
                         flag_threshold=1; continue;
                     d' = C(p) + \text{Dist}(p, q);
 (1013)
                     if (d' < C(q))
 (1014)
                        if( q is in L1 ) remove( L1, q );
 (1015)
 (1016)
                        C(q)=d';
                        ptr(q)=p;
 (1017)
                        push( L1, q, d' );
 (1018)
(1019)
                   } //end of for
 (1020)
                   if( flag_threshold ) {
 (1021)
                      push( L2, p, C(p) );
 (1022)
 (1023)
               } //end of inner while
 (1024)
               T=T+\delta_T;
 (1025)
               Copy L1 from L2 and clean L2.
 (1026)
 (1027) } //end of outer while
```

6/6

FIG. 12

1200

